

**North System Renewal Water Treatment Plant (NSRWTP)
Request for Statement of Qualifications (SOQ)
Construction Manager-at-Risk (CMAR) Design Services**

Summary of Request for SOQ

The City and County of Denver acting by and through its Board of Water Commissioners (Board) has authorized Denver Water (DW), to initiate design of the NSRWTP, with ancillary work including decommissioning and bypassing the existing Moffat Water Treatment Plant (WTP) for connection to existing treated water clearwells via new site piping. This Request for SOQ is to solicit information from Contractors regarding their capabilities and capacity as a Design Phase CMAR for the NSRWTP Project (Project), with the Owner's option to extend the CMAR's commitment through project construction. This Project will be administered by DW's Engineering Division. DW has also engaged an Owner's Representative (OR) to oversee the execution and delivery of the Project. The CMAR, DW, and the OR will comprise an integrated, highly-collaborative Project Management Team, responsible for the success of the Project.

A Pre-SOQ Meeting (not mandatory) will be held at 11:00 am on Thursday, May 26, 2016 at the Denver Police Protective Association (PPA) Event Center, 2105 Decatur Street, Denver, Colorado 80211.

Site Location

The NSRWTP will be constructed in Jefferson County, Colorado on DW's Ralston Property, west of Colorado State Highway 93. The modifications to the existing Moffat WTP and connection to existing clearwells will be constructed in the City of Lakewood, Colorado.

Project Description

The Project consists of replacing the aging Moffat WTP with a new, modern plant located near the Ralston Reservoir. The new site selected is owned by DW and has about 80 acres available for this new facility. The new facility will have the capacity to initially treat 10 to 150 million gallons per day (MGD) and be expandable to treat up to 250 MGD, with accommodations for future unit processes such as ozonation, ultraviolet (UV) disinfection, and granular activated carbon (GAC) adsorption. Facility accommodations will also maintain available land for a future parallel treatment system.

The NSRWTP will consist of independent conventional treatment trains including high rate settling, dual-media filters, chlorine-based disinfection and 20 million gallons (MG) of clearwell storage.

The existing Moffat WTP will be converted to a clearwell storage facility with new yard piping and demolition to accommodate delivery of treated water to the existing clearwells and bypass the existing treatment plant. Long-term plans for the remainder of the Moffat facility have not yet been determined.

Portions of the Project involve highly complex treatment; electrical, instrumentation & controls equipment; civil, mechanical, structural, and architectural work; site access improvements; and post-tensioned concrete tanks. The total value of the construction work is anticipated to be in the \$300M to \$360M range. Construction is anticipated to occur over multiple phases from 2018 to 2023, with emphasis on streamlining the project approach, schedule and overall delivery.

A CMAR will be hired by DW to provide design phase services. Design phase services are expected to include:

- Attending and participating in design meetings
- Performing constructability reviews
- Conducting value engineering reviews
- Developing construction planning documents including Quality, Construction, Procurement and Cost Management Plans
- Providing open book estimating
- Scheduling and construction phasing assistance
- Site logistics planning assistance
- Decommissioning planning and/or determining the future use of the Moffat WTP assistance
- Identifying and procuring required permits, as appropriate
- Developing construction planning documents
- Performing site investigations
- Providing input related to appropriate construction delivery methods, and
- Developing a breakdown of work packages.

Initially, it is DW's intention to have the CMAR Design Phase contract executed through Final Design. Depending on the construction delivery method(s) selected by DW, the contract may be amended to include a CMAR construction delivery contract, subject to Owner approval.

SOQ Requirements

Interested CMAR companies are to submit eight hard copies and one electronic copy (pdf on flash drive) of the SOQ package. The SOQ package page limit is 15 pages in length, excluding items in #8, below.

SOQ packages must be submitted to Peter McCormick, Design Project Manager, Denver Water, 1600 West 12th Avenue, Denver, Colorado 80204 by 11:00 am, local time, Thursday, June 16, 2016. The SOQ package shall include the following items in the order shown:

1. Firm background.
2. Local (Front Range) and national capabilities.
3. Background experience including:
 - a. Proposed project team experience with large greenfield water treatment and/or wastewater treatment plant construction.
 - b. Proposed Project Manager's experience with alternative delivery methods on projects with a minimum construction cost of \$200M, and type of delivery methods.
 - c. Proposed Estimator's experience with estimating projects in Colorado and nationally.
 - d. Proposed Scheduler's experience with managing multiple work package sequencing and scheduling using Primavera P6.
 - e. Proposed Startup and Commissioning Lead's experience with participation, planning, and executing plant startup, testing, and commissioning activities.
4. Proposed Project Organizational Chart for Design Phase services (an 11-inch by 17-inch format is acceptable for the Organizational Chart).
5. Proposed Project Organizational Chart for Construction Phase services (an 11-inch by 17-inch format is acceptable for the Organizational Chart).
6. Provide a minimum of three project references for projects of a similar nature and scope completed within the last ten years. Include project statistics (capacity, construction cost, etc.), similarity to NSRWTP, dates, and client contact information. Tie proposed staff and responsibilities to reference projects (an 11-inch by 17-inch format is acceptable for the project references).
7. Experience with Minority and Women-Owned Business Enterprise (MWBE) goal programs and Small Business Enterprises (SBEs).
8. The following items shall be provided in an appendix, in the order listed, and are not included in the page limit:
 - a. Proposed staff resumes (limited to two pages each).
 - b. Bonding capacity: Provide evidence of ability to provide payment and performance bonds for this type and size of work (including single and aggregate limits).
 - c. Insurance structure and limits – Provide an Association for Cooperative Operations Research and Development (ACORD) Certificate of Insurance meeting the following minimum limits for Design Phase services (note insurance requirements will increase during Construction Phase):
 - i. Commercial General Liability Insurance: \$2,000,000 single occurrence/ \$5,000,000 aggregate.
 - ii. Automobile Liability Insurance: in accordance with Colorado law.
 - iii. Professional Liability Insurance: \$1,000,000 per claim.
 - iv. Workers' Compensation Insurance: in accordance with Colorado law.
 - d. Construction safety record and statistics for the last three years, including at a minimum the firm's Experience Modification Rate (EMR) and a summary of the firm's safety program.
 - e. Litigation, default, and contract termination history for the past ten years.
 - f. Certified financial statement no older than 15 months.

CMAR Selection Process and Schedule

Schedule for SOQs:

- May 19, 2016-----First Advertisement
- May 26, 2016-----Second Advertisement
- May 26, 2016-----Pre-SOQ Meeting
- June 16, 2016-----SOQ Due

A Request for Proposal (RFP) with detailed instructions and Project information will be sent to the best-qualified firms, based on the Owner's assessment of the SOQs. After receipt and review of the qualified companies' proposals, a qualifications-based selection of the CMAR for the Project will be made based on weighted factors detailed in the RFP.

This Project has been classified as Restricted under DW's site access policies. ***All proposers must be approved and listed on the Security Prequalification Contractor List (SPCL) for Restricted Capital Projects before receiving any documents or visiting the site.*** Submission and requirements are listed on the DW Website: (<http://www.denverwater.org/DoingBusinesswithUs/ContractorPrequalificationCapitalProjects>). The CMAR is responsible for compliance of their personnel, as well as all subcontractors, with this DW policy. Although not mandatory, DW recommends all of the CMAR's subcontractors be approved and listed on the SPCL.

DW will require the CMAR to use only "Prequalified Contractors" for specific disciplines (i.e. Electrical, Treatment/Pump Stations, etc.) for bidding specific work packages or as a sub-contractor to the CMAR. ***All "Prequalified Contractors" must be approved and listed on both the Prequalification Contractor List (PCL), and the SPCL for Restricted Capital Projects before receiving any documents or visiting the site.*** Submission and requirements for both are listed on the DW Website: (<http://www.denverwater.org/DoingBusinesswithUs/ContractorPrequalificationCapitalProjects>).

Should a specific work package not require subcontractor pre-qualification, the CMAR or the "Prime Contractor" (Construction Phase) is responsible for compliance with the DW policy as specified.

The anticipated schedule for proposals, Design Phase services, and construction is summarized below:

- July 5, 2016-----RFP sent to Proposers
- July 21, 2016-----Pre-Proposal Meeting and Site Visit (mandatory)
- July 25, 2016-----Deadline for Questions
- August 2, 2016-----Proposals Due
- August 22, 2016-----Interviews (DW's discretion)
- August 23, 2016-----Selection of CMAR
- September 14, 2016-----Board Approval
- September 15, 2016-----Notice to Proceed Design Phase Services
- September 2016 to February 2017 --Preliminary Design
- March 2017 to 2019 -----Final Design and Construction Procurement (estimated)
- 2018 to 2023 -----Construction (estimated)

Questions regarding this RFQ should be directed to Peter McCormick at peter.mccormick@denverwater.org or 303-628-6084.